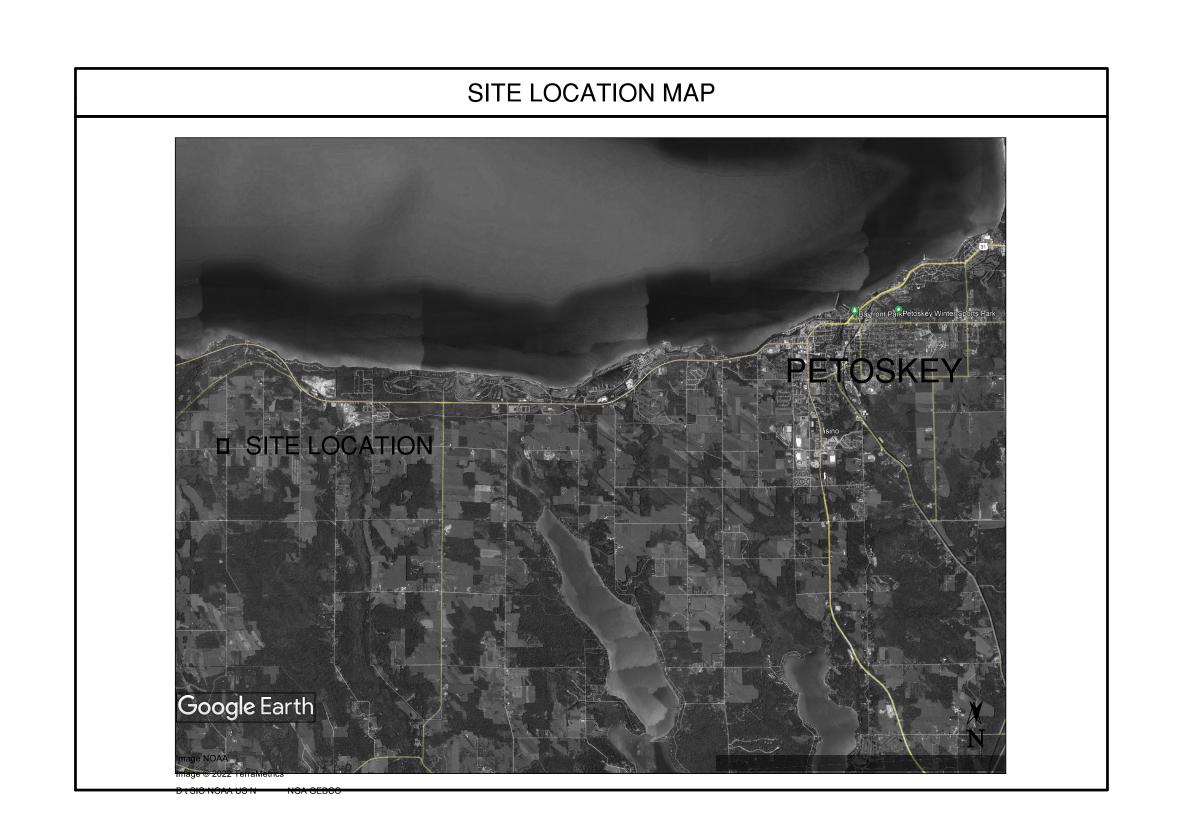
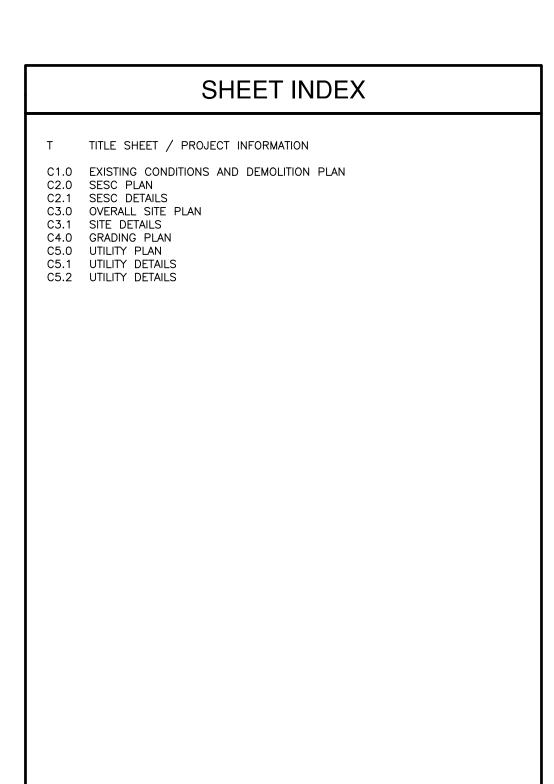
PROPOSED MURRAY ROAD APARTMENT DEVELOPMENT FOR:

LTBB ODAWA INDIANS

PETOSKEY, MICHIGAN

SITE/CIVIL BID PACKAGE DRAWING SET 3





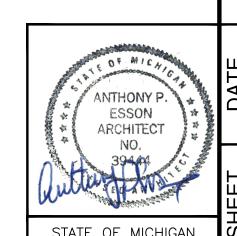
REVIEWED FOR CODE COMPLIANCE

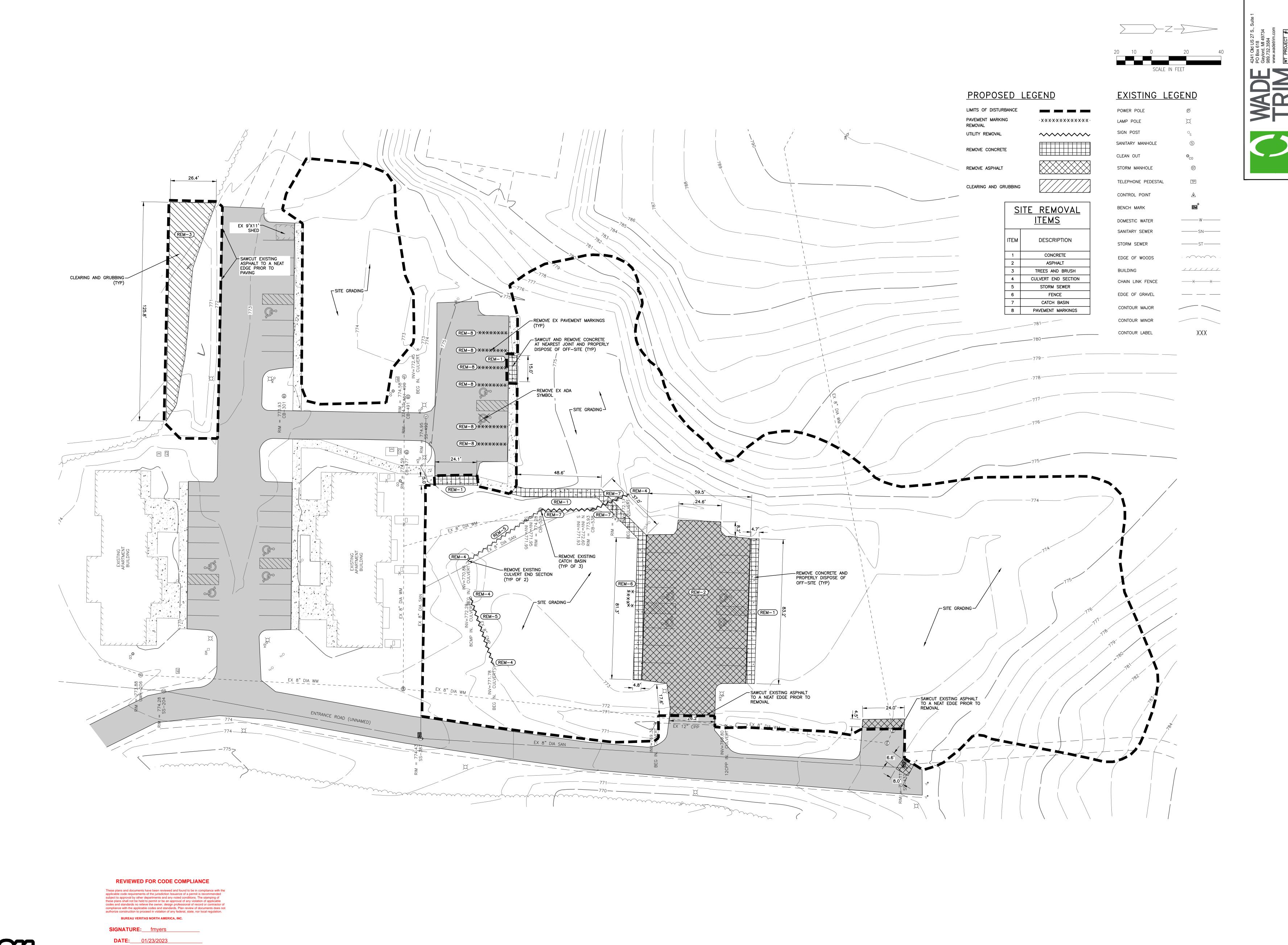
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BUREAU VERITAS NORTH AMERICA, INC.

 SIGNATURE:
 fmyers

 DATE:
 01/23/2023





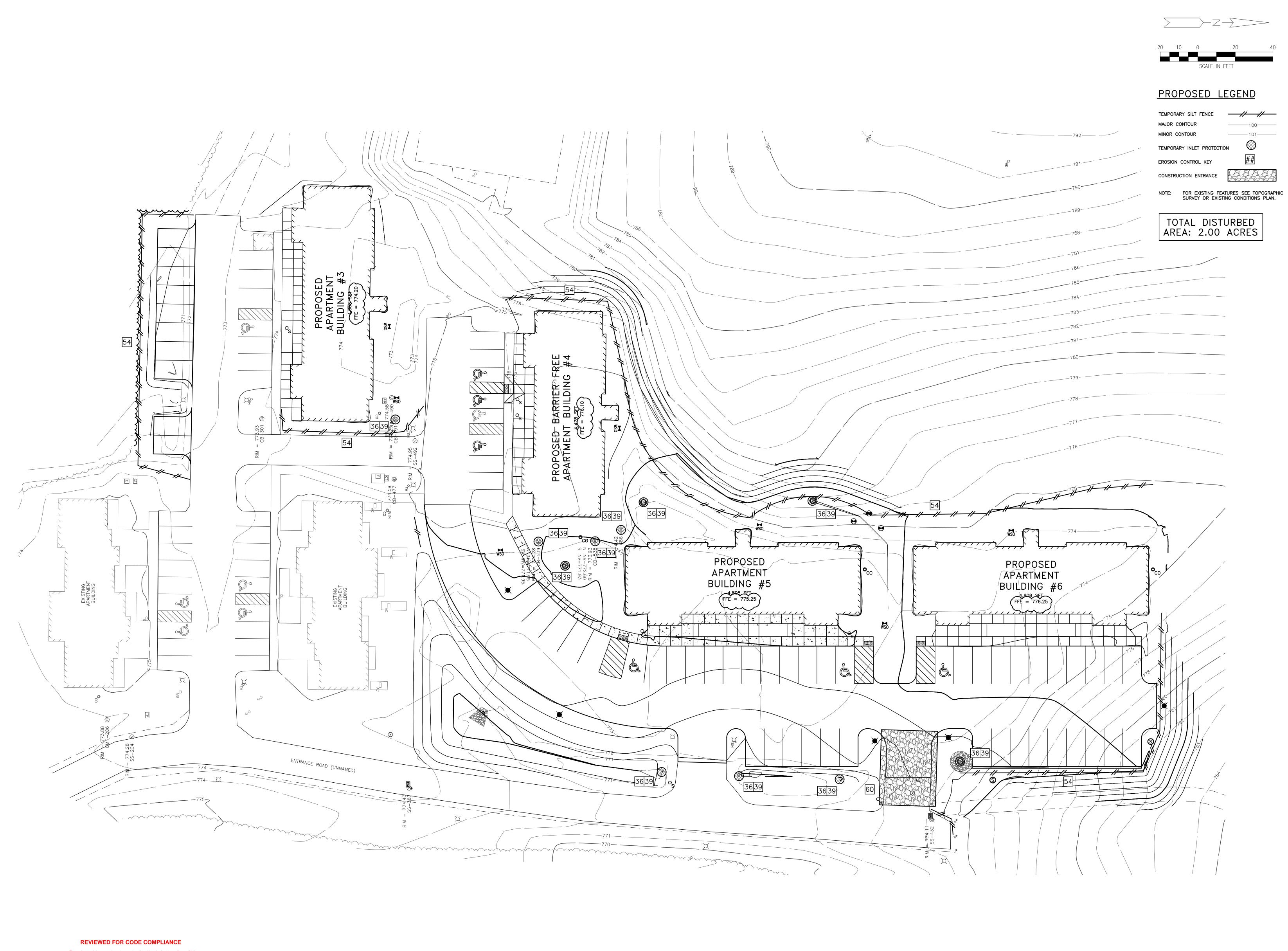
MURRAY ROAD APARTMENT D
PETOSKEY, MICHIGAN

ESSON

ANTHONY

CONDITIONS ION PLAN

Know what's below.
Call before you dig.



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C2.0

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27

— GEOTEXTILE FILTER
FABRIC FASTENED ON
UPHILL SIDE, TOWARDS
EARTH DISRUPTION

─6"x6" ANCHOR TRENCH

UNDISTURBED VEGETATION _

SPACING 6-10' MAX.

(6" ANCHOR TRENCH

SILT FENCE B

ROLL JOINTS

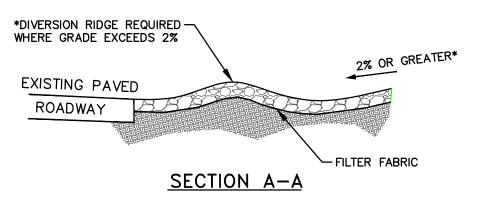
SILT FENCE NO SCALE

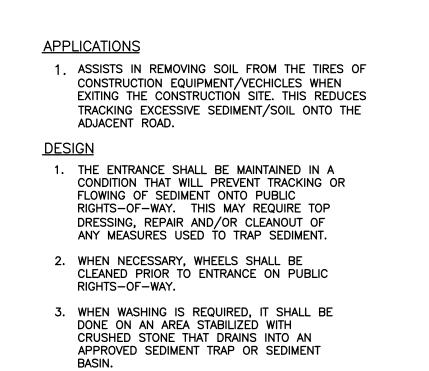
FABRIC TO BE
WRAPPED AROUND
FENCE POST

FENCE POSTS DRIVEN INTO GROUND 1' MIN.

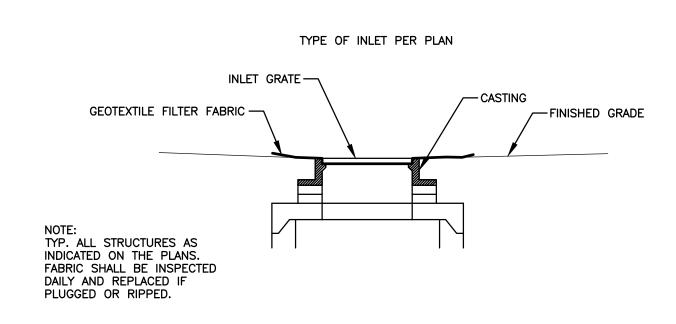
0

SUPPLY WATER TO WASH WHEELS IF NECESSARY 1"-2" COARSE AGGREGATE
MIN. 6" THICK ➤ DIVERSION RIDGE ─1/2" AGGREGATE 6" THICK <u>PLAN</u>

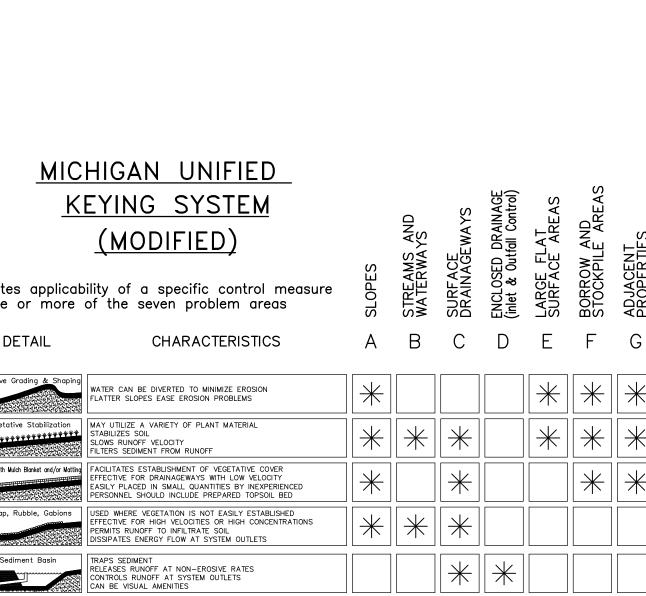




TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
NO SCALE



TYPICAL INLET PROTECTION



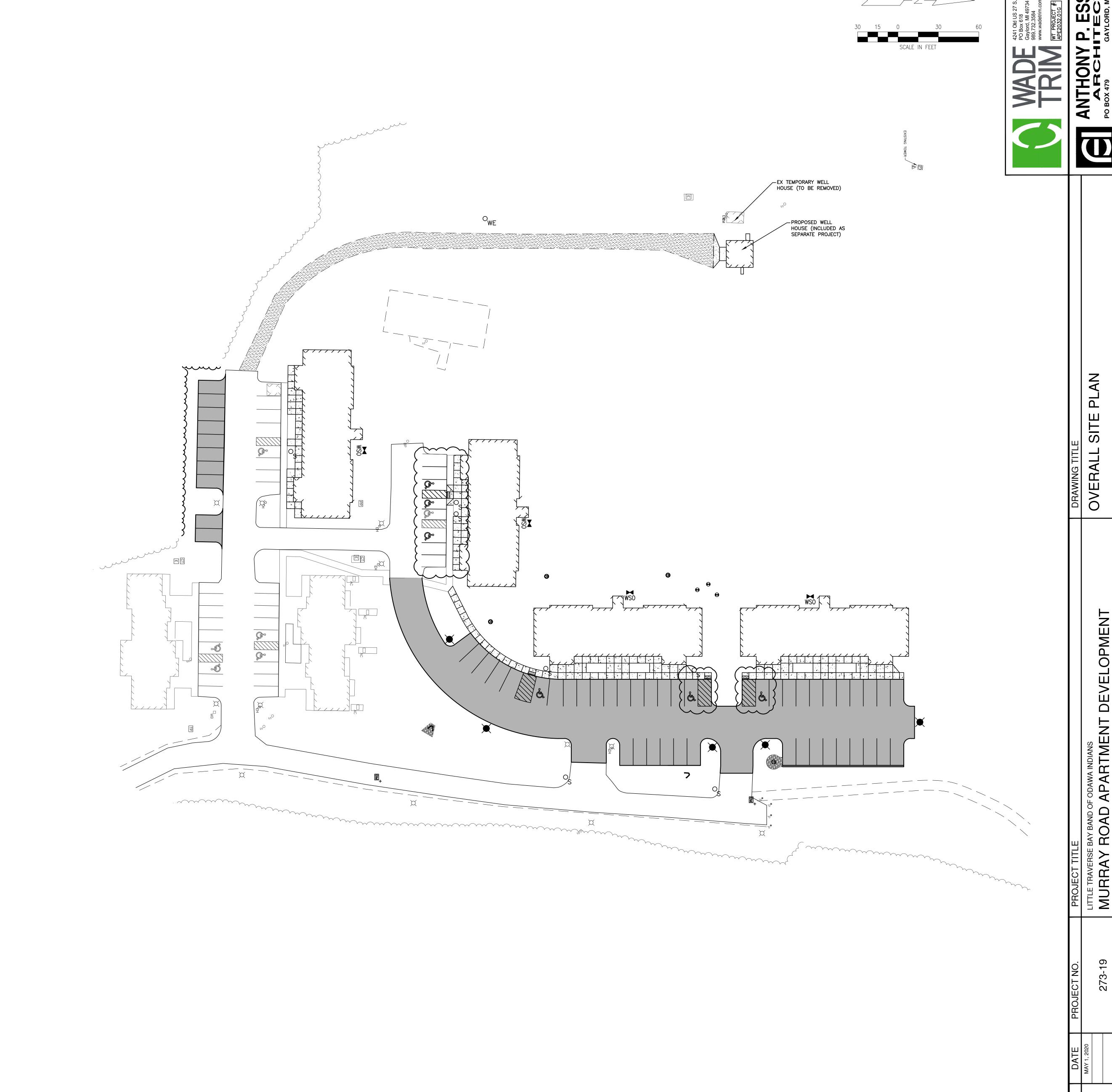
<u>K</u>	EYING SYSTEM (MODIFIED) cility of a specific control measure of the seven problem areas	SLOPES	STREAMS AND WATERWAYS	SURFACE DRAINAGEWAYS	ENCLOSED DRAINAGE (inlet & Outfall Control)	LARGE FLAT SURFACE AREAS	BORROW AND STOCKPILE AREAS	ADJACENT PROPERTIES
KEY DETAIL	CHARACTERISTICS	Α	В	С	D	Ε	F	G
Selective Grading & Shaping	WATER CAN BE DIVERTED TO MINIMIZE EROSION FLATTER SLOPES EASE EROSION PROBLEMS	*				*	$\boxed{*}$	*
Vegetative Stabilization	MAY UTILIZE A VARIETY OF PLANT MATERIAL STABILIZES SOIL SLOWS RUNOFF VELOCITY FILTERS SEDIMENT FROM RUNOFF	*	$\boxed{*}$	*		*	$\boxed{*}$	*
Seeding with Mulch Blanket and/or Mattin	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED	*		*			$\boxed{*}$	*
13	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED EFFECTIVE FOR HIGH VELOCITIES OR HIGH CONCENTRATIONS PERMITS RUNOFF TO INFILTRATE SOIL DISSIPATES ENERGY FLOW AT SYSTEM OUTLETS	*	*	*				
34	TRAPS SEDIMENT RELEASES RUNOFF AT NON-EROSIVE RATES CONTROLS RUNOFF AT SYSTEM OUTLETS CAN BE VISUAL AMENITIES			*	*			
Catch Basin Inlet Protection	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF MAY USE FILTER CLOTH OVER INLET					*		*
Fobric Filter Curb Inlet Protection	CAN UTILIZE MATERIAL FOUND ON SITE EASY TO CONSTRUCT FILTERS SEDIMENT FROM RUNOFF				$\boxed{*}$			*
54 Silt Fence	USES GEOTEXTILE FABRIC AND POSTS OR POLES EASY TO CONSTRUCT AND LOCATE AS NECESSARY	*		*		*		*
Figure 1	ASSISTS IN REMOVING SOIL FROM THE TIRES OF CONSTRUCTION EQUIPMENT/VEHICLES WHEN EXITING THE CONSTRUCTION SITE. THIS REDUCES TRACKING EXCESSIVE SEDIMENT/SOIL ONTO THE ADJACENT ROAD							*

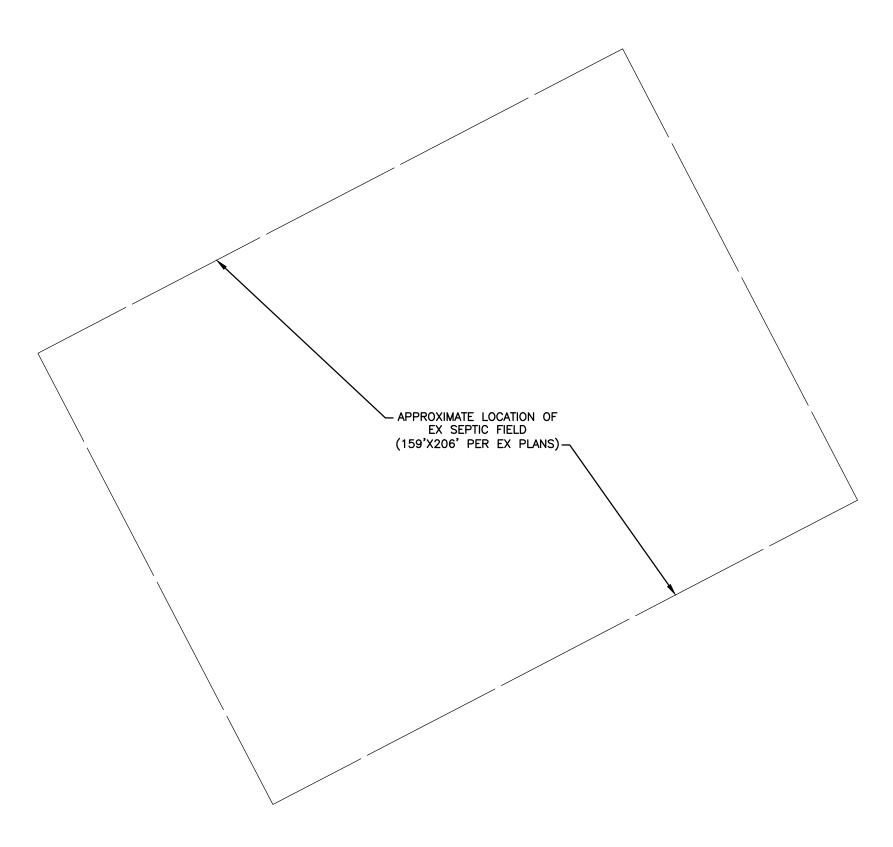
REVIEWED FOR CODE COMPLIANCE

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SIGNATURE: fmyers DATE: 01/23/2023







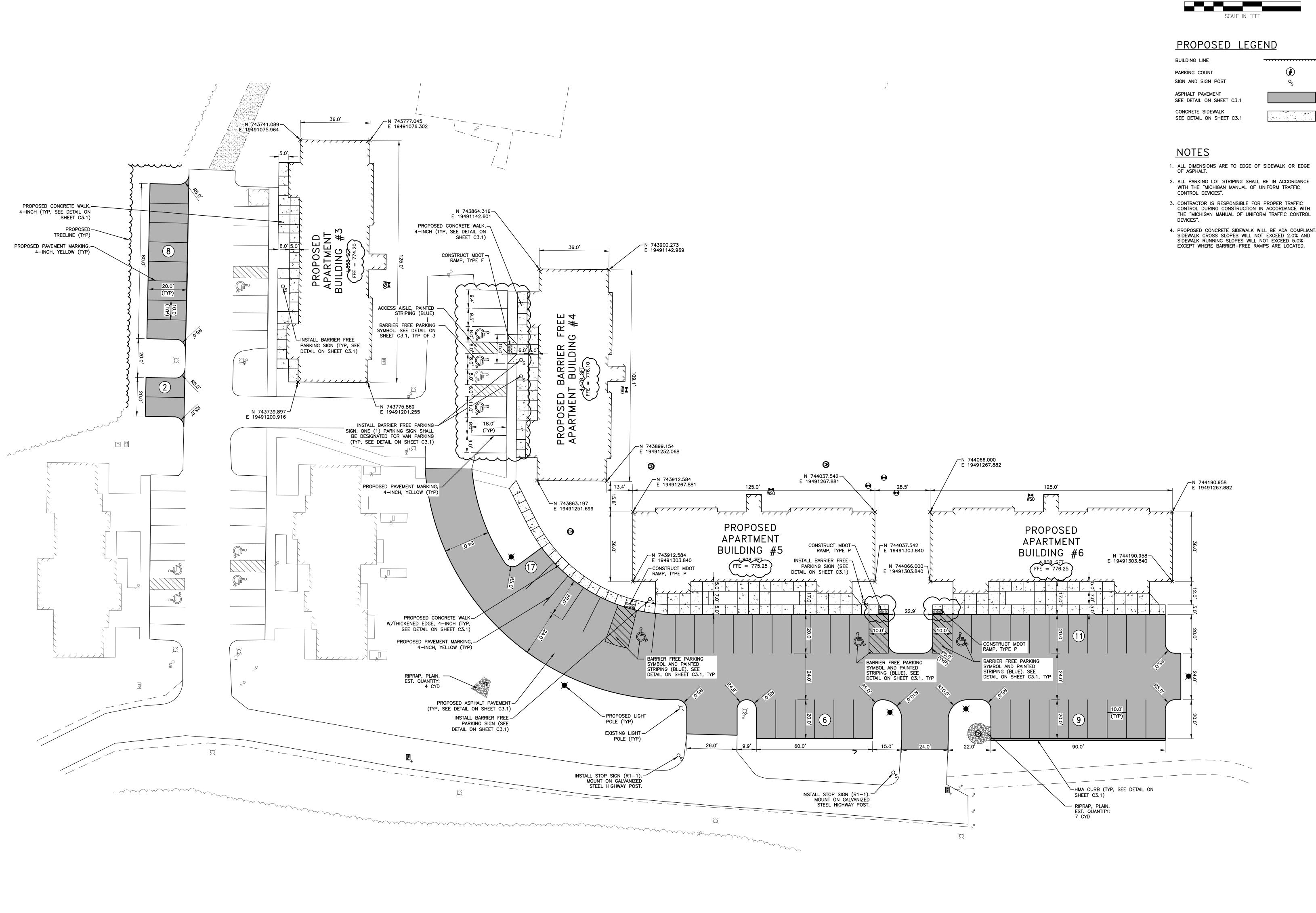
REVIEWED FOR CODE COMPLIANCE

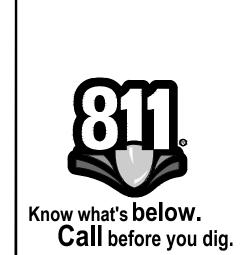
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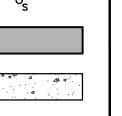
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DATE: 01/23/2023





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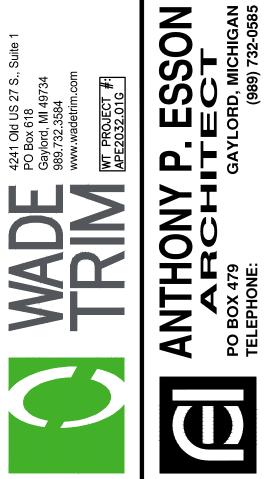
CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL

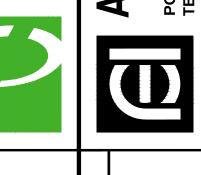
4. PROPOSED CONCRETE SIDEWALK WILL BE ADA COMPLIANT. SIDEWALK CROSS SLOPES WILL NOT EXCEED 2.0% AND

DRAWII SITE

0

|獣C3.1



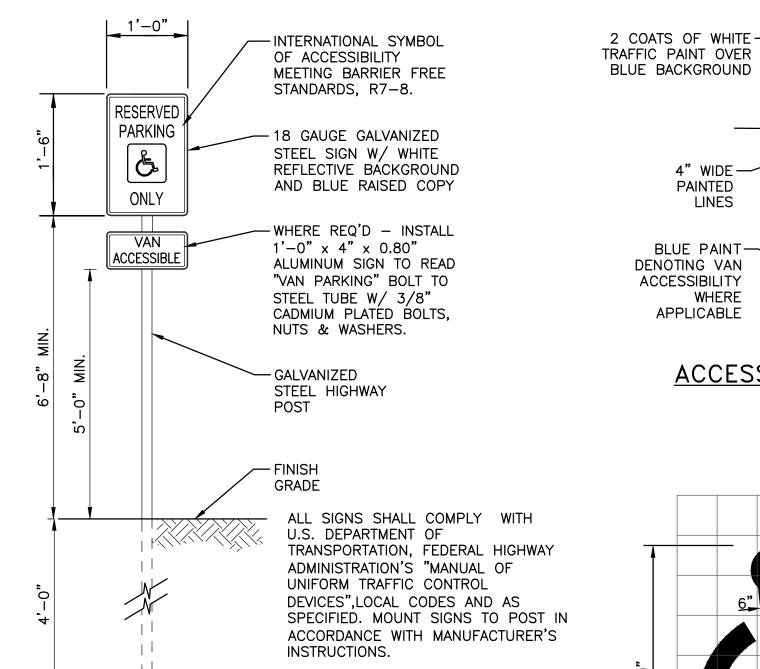


DRAWII SITE

BITUMINOUS PAVEMENT SECTION NO SCALE

<u>SPECIFICATIONS</u>				
ITEM	THICKNESS	MATERIAL		
1	1 1/2"	HMA, 5EL		
2	1 1/2"	HMA, 4EL		
3	8"	MDOT 22A AGGREGATE		
4	12"	MDOT CLASS II SAND		

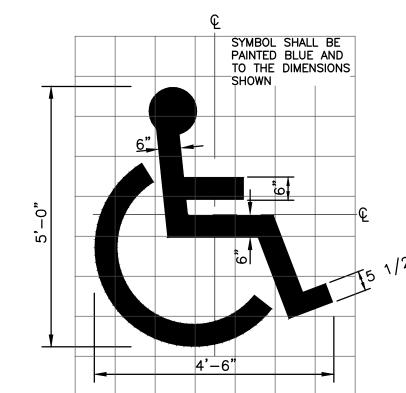
REFER TO PROJECT SPECIFICATIONS FOR COMPACTION AND TESTING REQUIREMENTS.



TYPE I SIGN DETAIL NO SCALE

COLORS: LEGEND —WHITE (RETROREFLECTIVE) BACKGROUND - RED (RETROREFLECTIVE) BOTTOM OF SIGN SHALL BE MOUNTED 7'-0" ABOVE GRADE OR AS DIRECTED BY OWNER.

<u>R1-1</u> STOP SIGN



ACCESSIBLE SYMBOL

N.T.S.

PAINTED

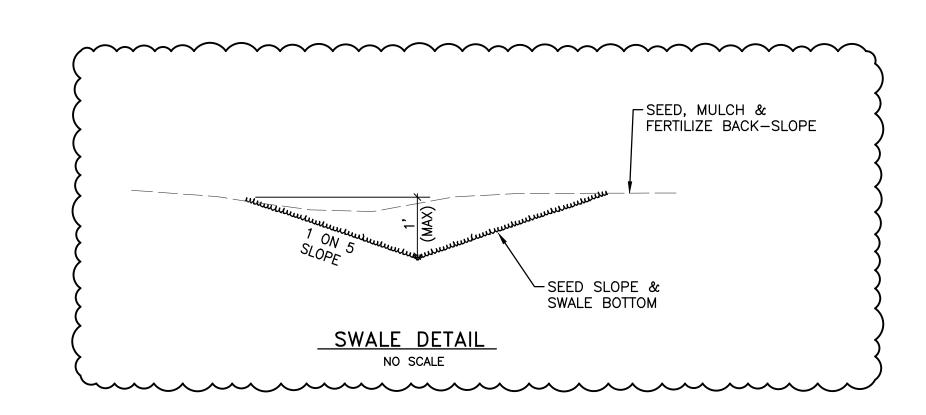
BLUE PAINT— DENOTING VAN

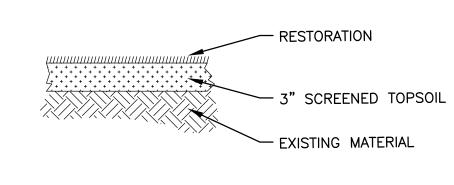
ACCESSIBILITY

LINES

WHERE APPLICABLE

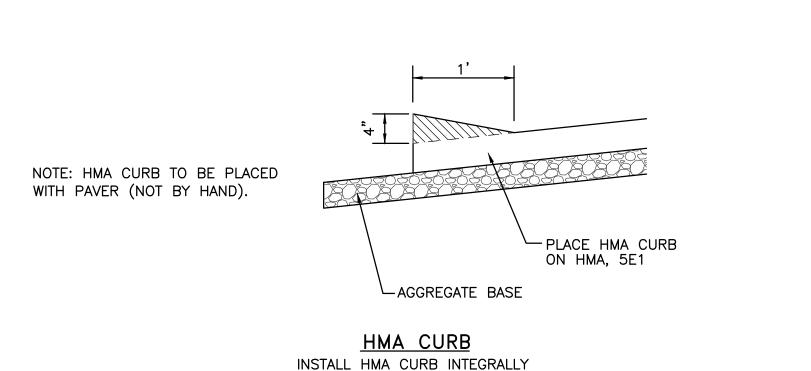
HANDICAP SYMBOL PAINT DETAIL NO SCALE



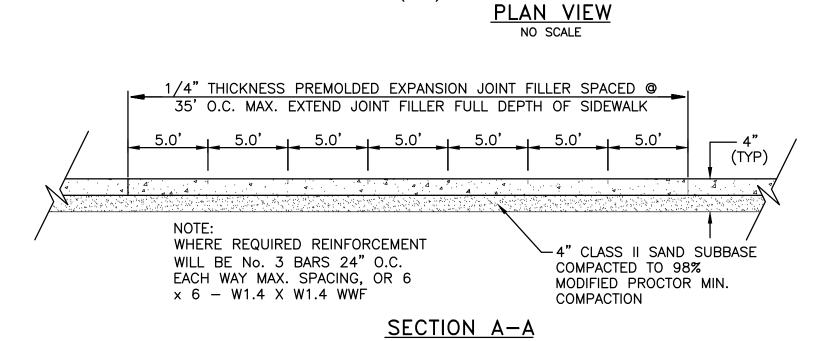


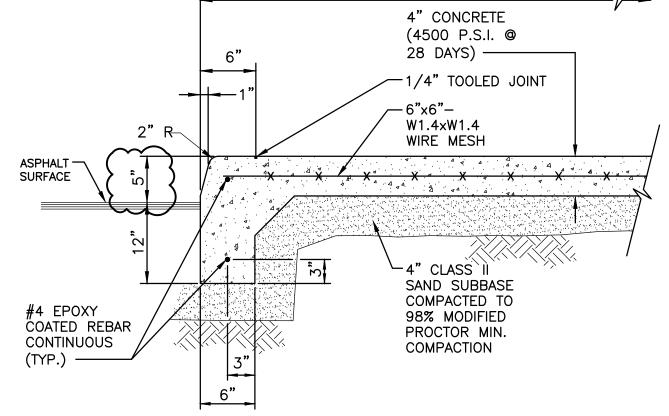
RESTORATION SPECIFICATION RESTORATION ITEMS SHALL CONFORM TO THE MDOT 2012 STANDARD SPECIFICATION FOR CONSTRUCTION, SEED MIX: MDOT SEEDING MIXTURE TDS FERTILIZER: MDOT CHEMICAL NUTRIENT, CLASS A

LAWN AND FIELD RESTORATION SECTION NO SCALE



WITH PARKING LOT HMA. 1/2" RADIUS TOOLED JOINT OR 1" DEEP SAWED JOINT (TYP.)





AS SHOWN ON PLANS

CONCRETE WALK W/ THICKENED EDGE

NO SCALE

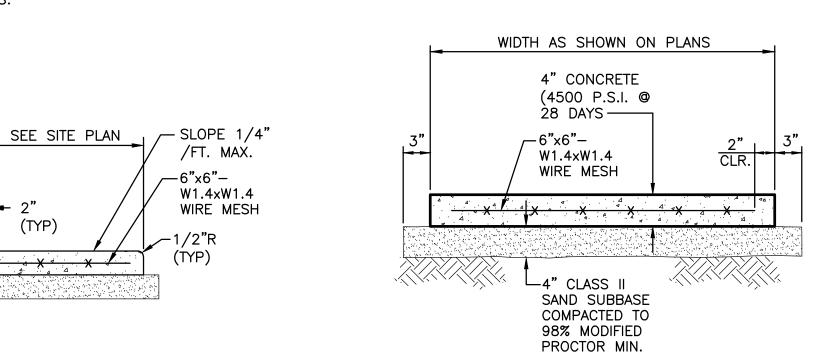
PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL

2 4 X 4 X

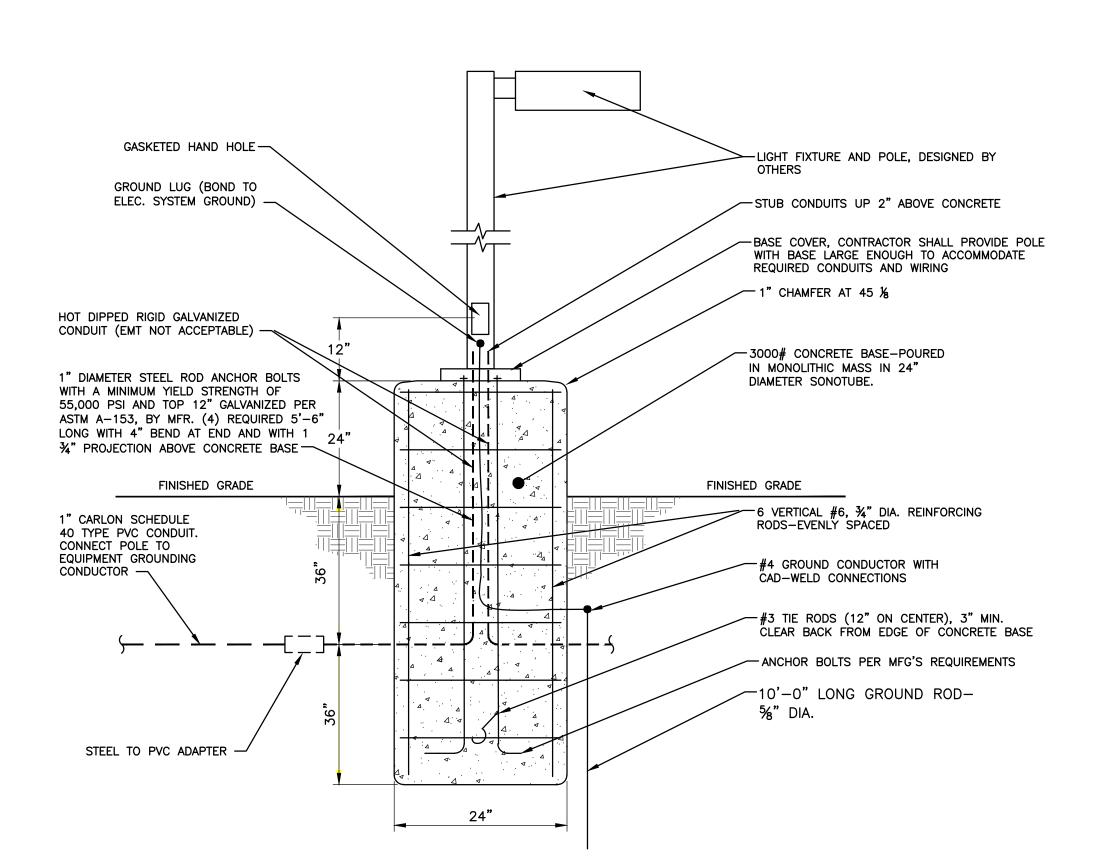
SECTION B-B

FIXED OBJECTS.

(TYP)



COMPACTION CONCRETE WALK NO SCALE

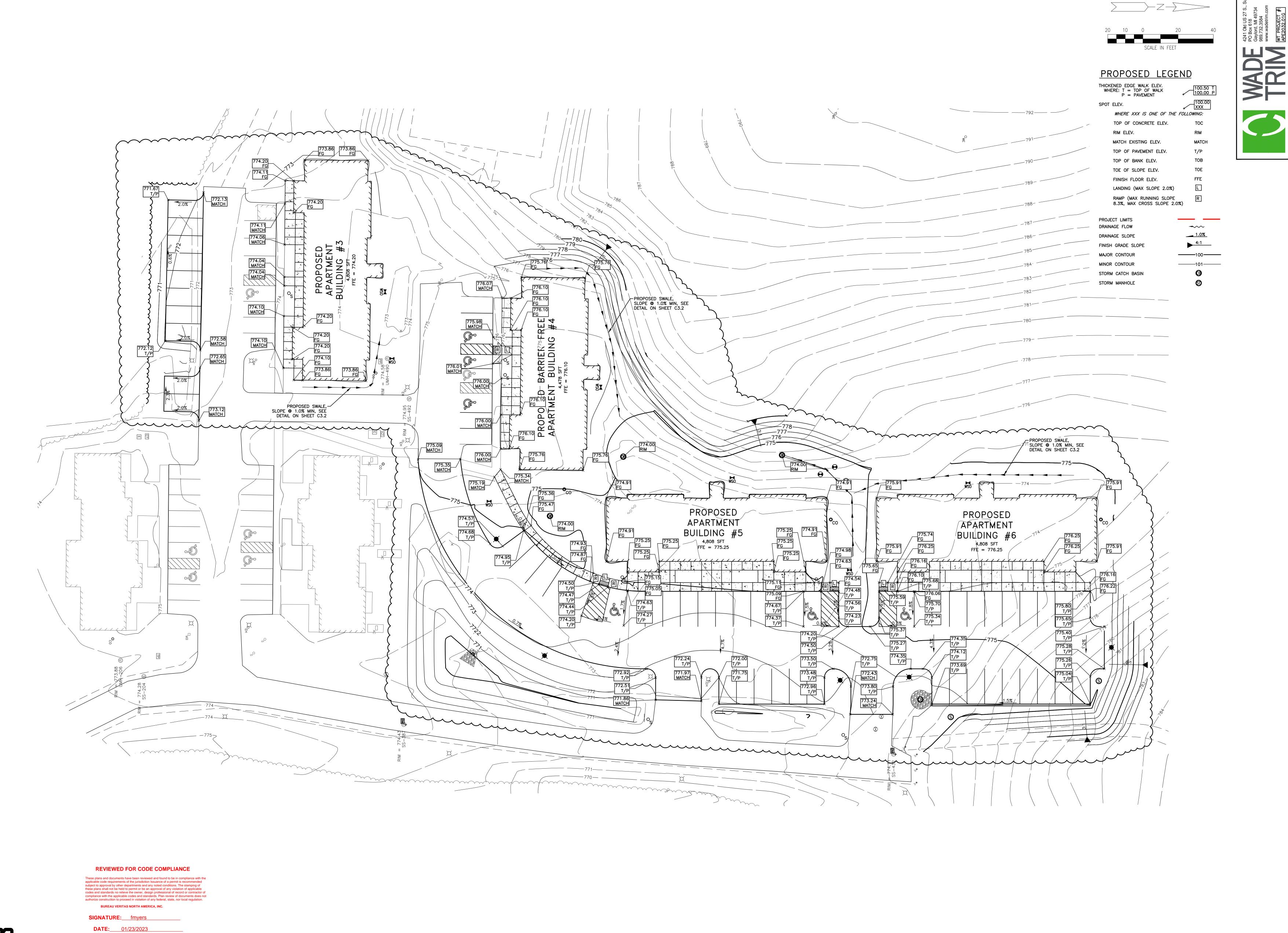


TYPICAL LIGHT POLE AND FOUNDATION
N.T.S.

REVIEV	WED FOR CODE	COMPLIANCE	
applicable code requestible to approval be these plans shall not codes and standards compliance with the second to	uirements of the jurisdiction Is by other departments and any t be held to permit or be an a s no relieve the owner, design applicable codes and standa	d and found to be in compliance ssuance of a permit is recommer y noted conditions. The stamping pproval of any violation of applic n professional of record or contructs. Plan review of documents cany federal, state, nor local reguli	nded g of able actor of loes not

SIGNATU	JRE: fmyers	
DATE:	01/23/2023	

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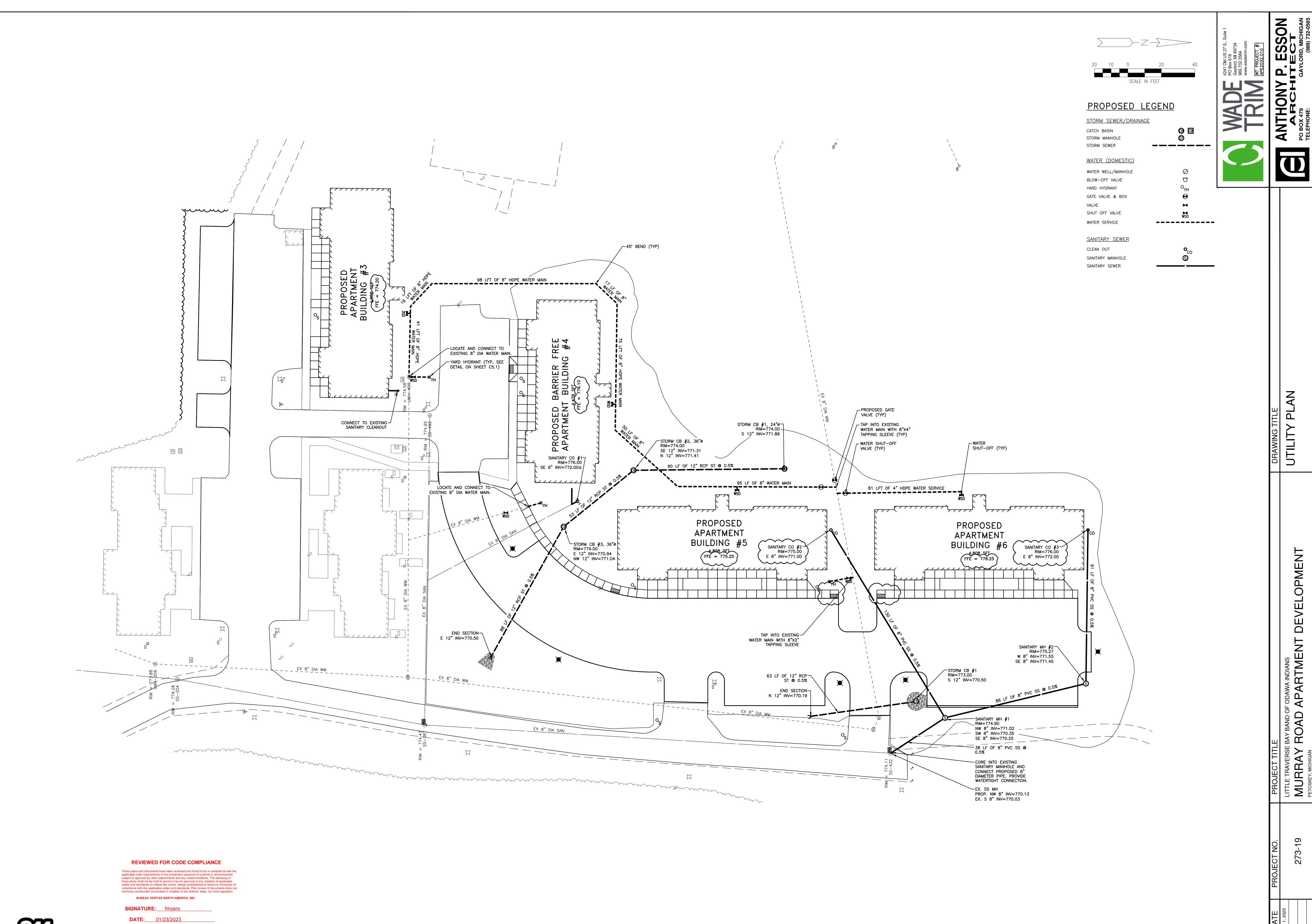


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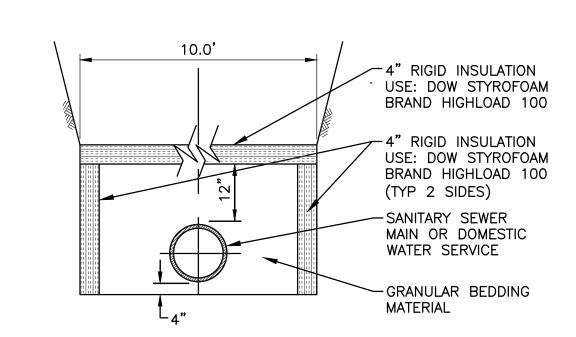
ANTHONY



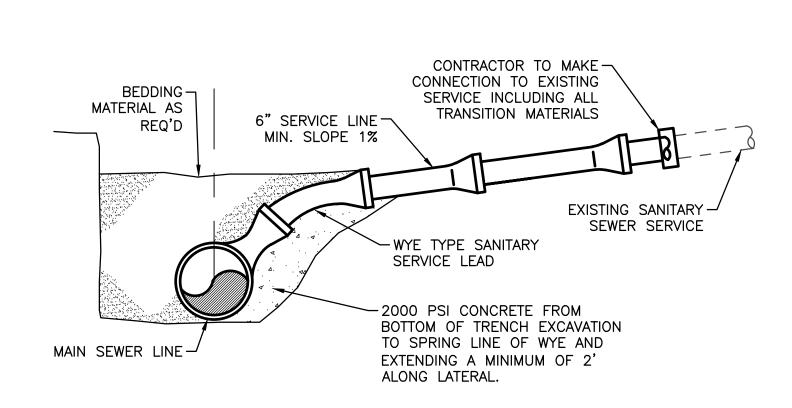
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TRENCH DETAIL

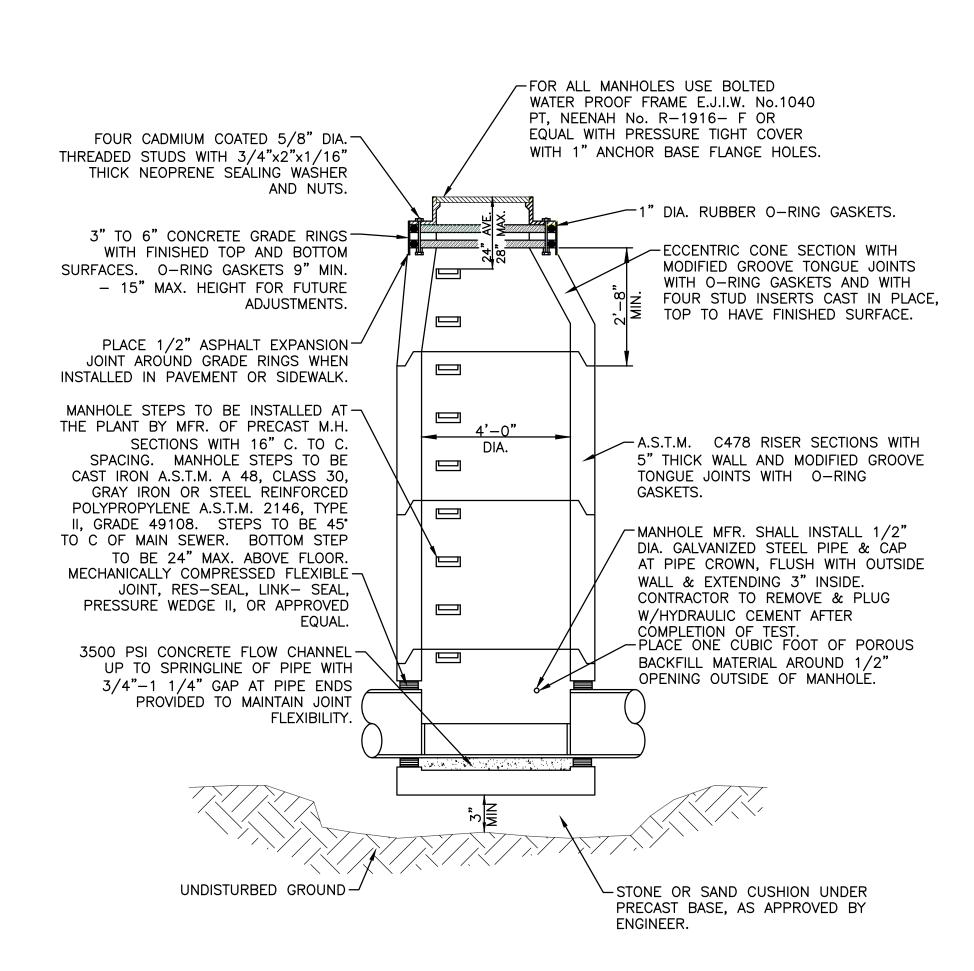
(STORM & SANITARY SEWER)



INSULATED PIPE TRENCH DETAIL (TYP. FOR ALL NEW SANITARY SEWER)



SANITARY SEWER SERVICE CONNECTION DETAIL NOT TO SCALE



STANDARD SANITARY MANHOLE FOR SEWERS 8" THRU 24" NOT TO SCALE

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BUREAU VERITAS NORTH AMERICA, INC. SIGNATURE: fmyers DATE: 01/23/2023 AP,

OPMI

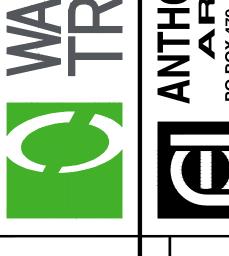
BAY BANI ROA

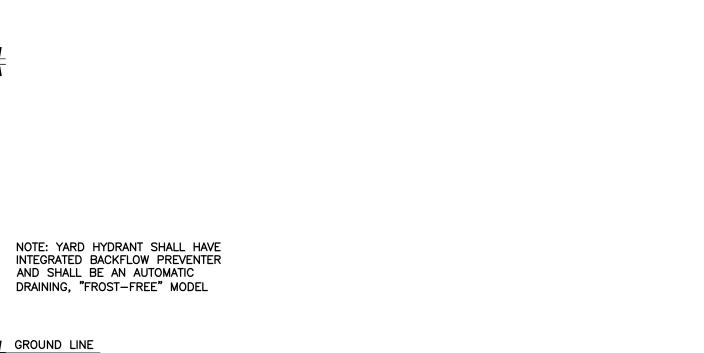
SON

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ANTHONY

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YARD HYDRANT DETAIL NOT TO SCALE

GROUND LINE

__4" WATER SERVICE

₹" HOSE — CONNECTION

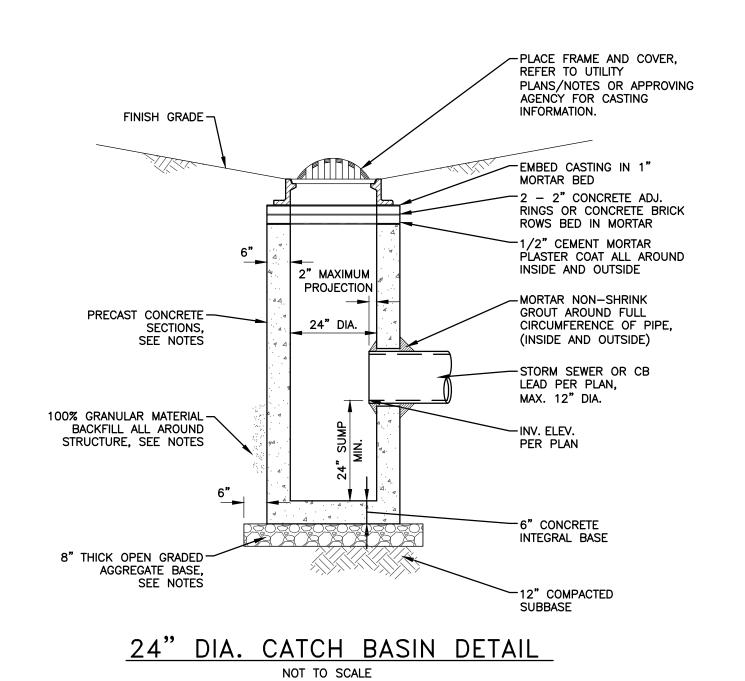
PLASTIC SHEETING

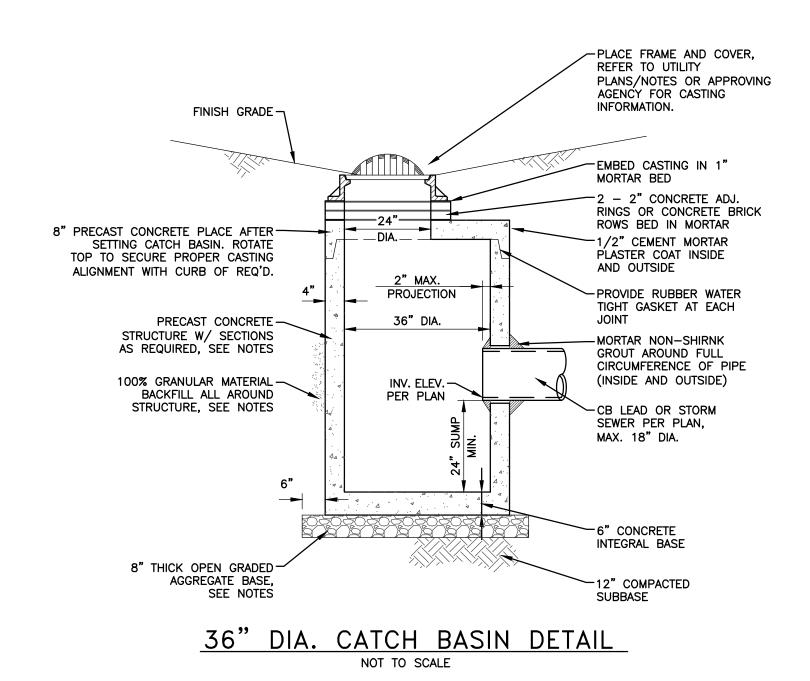
PEASTONE,— EST 1 CFT

1.P.S. — DRAIN PORT —

FEMALE I.P.S.

4" THICK, UNREINFORCED CONCRETE PAD, 2'X2'





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FODAWA INDIANS
APARTMENT DEVELOPMENT